

Touch Screens

for ease in managing your router

- VX routers (VX40, VX80, VX160, VX320, VX320 Video)
- HDX routers (HDX80, HDX576)

9 inch touch screen

5.7 inch touch screen



9 inch Touch Panel
running X4 Configurator



5.7 inch Touch Panel
running a customized button display

Ease in Managing Your Router with Touch Screens

Thinklogical provides a line of touch screens that can be used to control your router. These touch screens can support Thinklogical's X4 Configurator control pages or customized pages adapted to your specific installation.

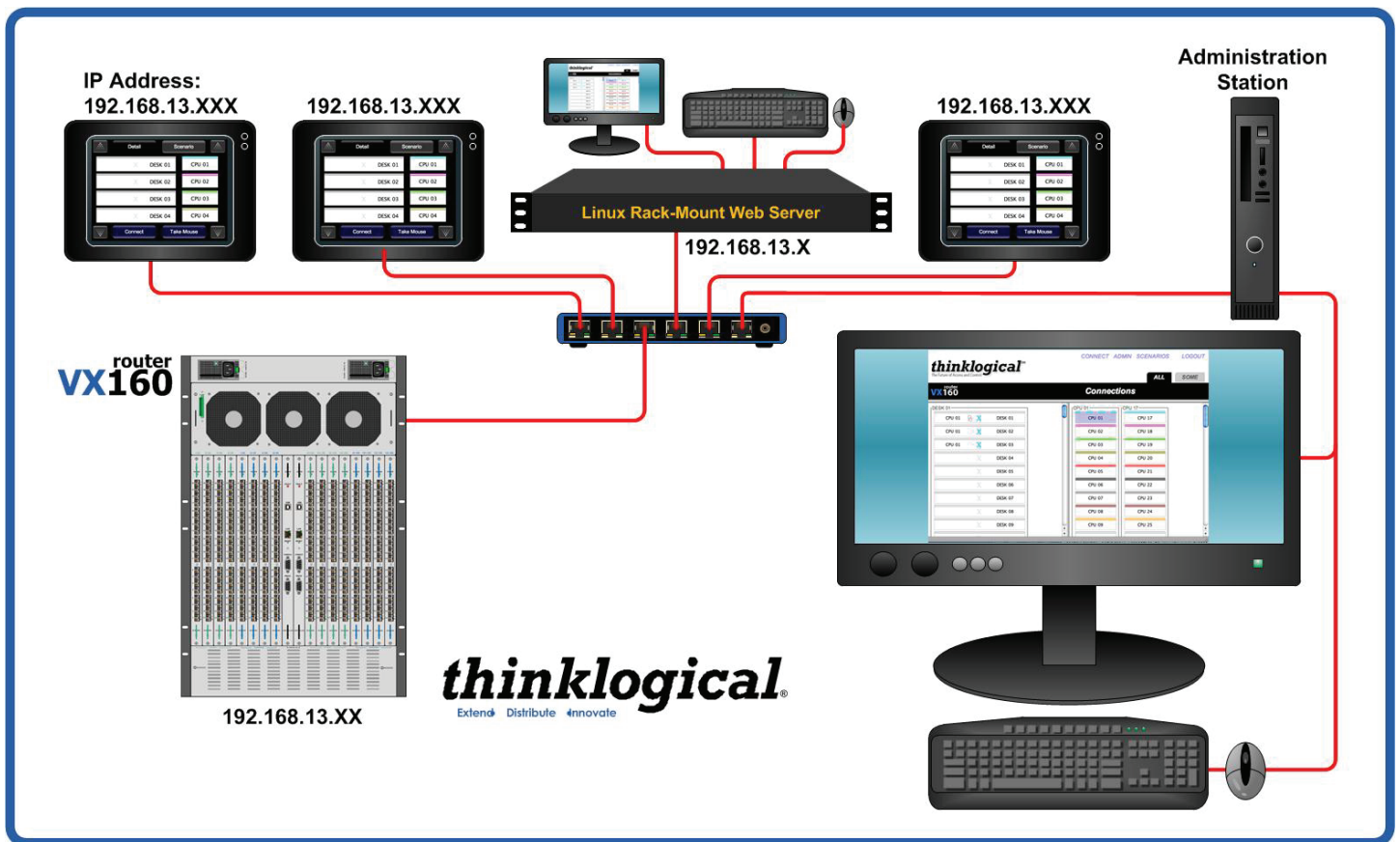


Each is a low powered, Linux based computer with either 8.9 or 5.7 inch color widescreen TFT LCD display, touch input, and Ethernet interface. They communicate with the X4 Configurator control PC and boot directly into control pages appropriate for their location and usage. With a built-in CompactFlash and no moving parts, these touch screens are rugged, compact panel PCs optimized for industrial control applications.

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Key Features

- available in 9 inch version and 5.7 inch version
- 4-wire resistive touch panel
- Vortex86DX SoC 1 GHz
- 256 MB/512 MB/1 GB DDR2 system memory
- AMI BIOS
- 2 watchdog timer
- CompactFlash card socket
- 10/100 Mbps Ethernet
- 2 USB 2.0 (host)
- 1 RS-232/485/422 ports
- Mini-PCI socket (Wi-Fi optional)
- Audio out
- Fanless design



Touch Screen Sample Configuration Using a VX160 Router

Specifications

CPU Board Specifications

CPU	Vortex86DX 1GHz
Cache	L1: 16KB I-Cache, 16KB D-Cache L2: 128KB Cache
BIOS	AMI BIOS
Memory	256/512MB DDR2 onboard
Watchdog Timer	Software programmable from 30.5u to 512 seconds x 2 sets
LAN	Integrated 10/100M Ethernet
Internal Drives	Compact Flash Type I/II slot
Expansion Slot	1 Mini-PCI socket (internal)

Mechanical & Environment

Power Requirement	Single voltage +5VDC (5A) Multi voltage +8~+35VDC (8A)
Power Consumption	1.3A
Operating Temperature	0 ~ +60° (+32 ~ +140°)
Storage Temperature	-20 ~ +70° (-4 ~ +158°)
Relative Humidity	10 ~ 90% @ 35° C (non-condensing)
Dimensions	9.31 x 5.75 x 1.38 inches (236.6 x 146 x 35 mm) 9 inch model 5.98 x 4.41 x 1.3 inches (152 x 112 x 33 mm) 5.7 inch model
Weight	468 grams 1.032 lb 9 inch model 374 grams 0.83 lb 5.7 inch model
Certification	CE, FCC, VCCI

LCD Specifications

Display Type	8.9 inches or 5.7 inches TFT LCD
Backlight Unit	LED
Display Resolution	1024 (width) x 600 (height) 9 inch model 640 (width) x 480 (height) 5.7 inch model
Brightness (cd/m ²)	220 nits
Contrast Ratio	500:1
Display Color	262,144
Pixel Pitch (mm)	190.5 (H) x 189 (V)
Viewing Angle	Vertical 110°, Horizontal 140°
Backlight Lifetime	25,000 hours

Specifications (continued)

Touch Screen

Type	Analog Resistive
Resolution	Continuous
Transmittance	80%
Controller	USB interface (RS-232 interface)
Software Driver	Linux
Durability	1 million touches
Warranty	12 months from date of shipment - extended warranties available
Cables included	power
Stand included	

Touch Screens Ordering Information

Touch Screens Available from Thinklogical

Part Number	Description
VXM-000011	Velocity matrix router 5.7 inch touch panel with stand
VXM-000016	Velocity matrix router 9 inch touch panel with stand

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